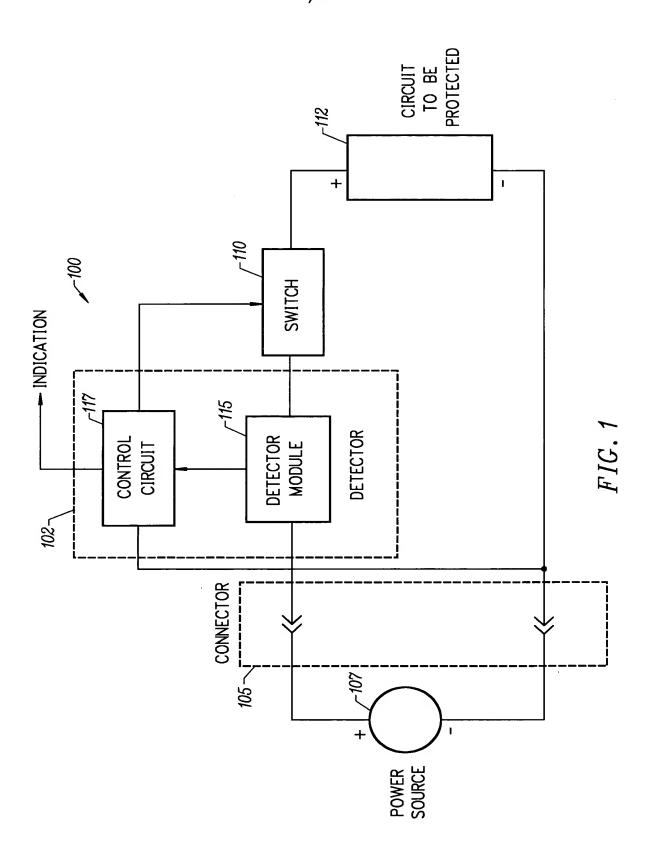
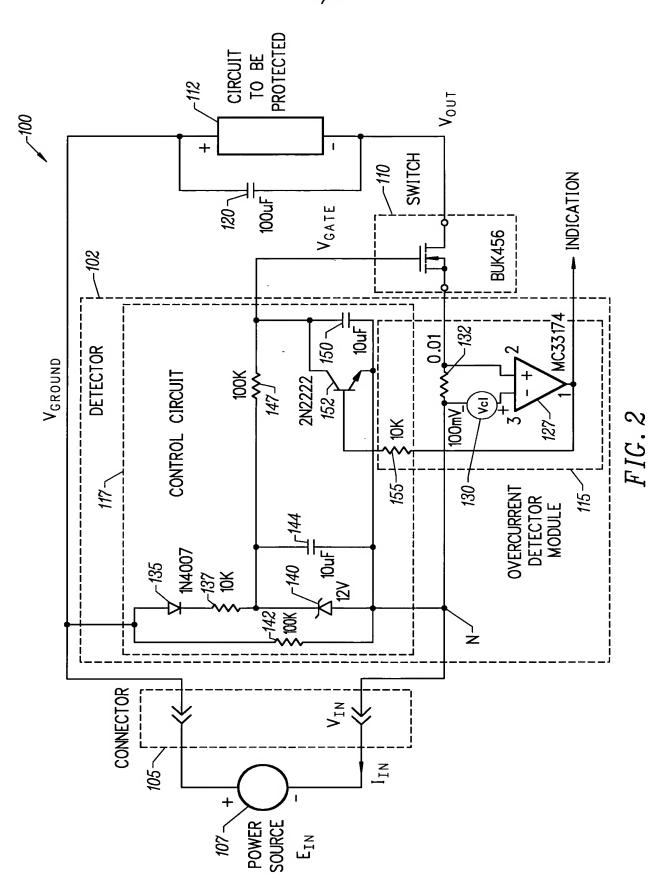
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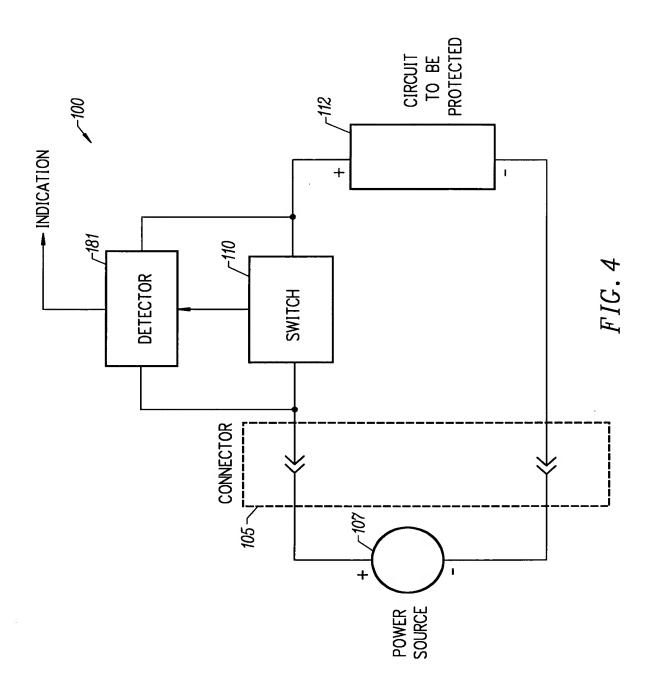
1/8



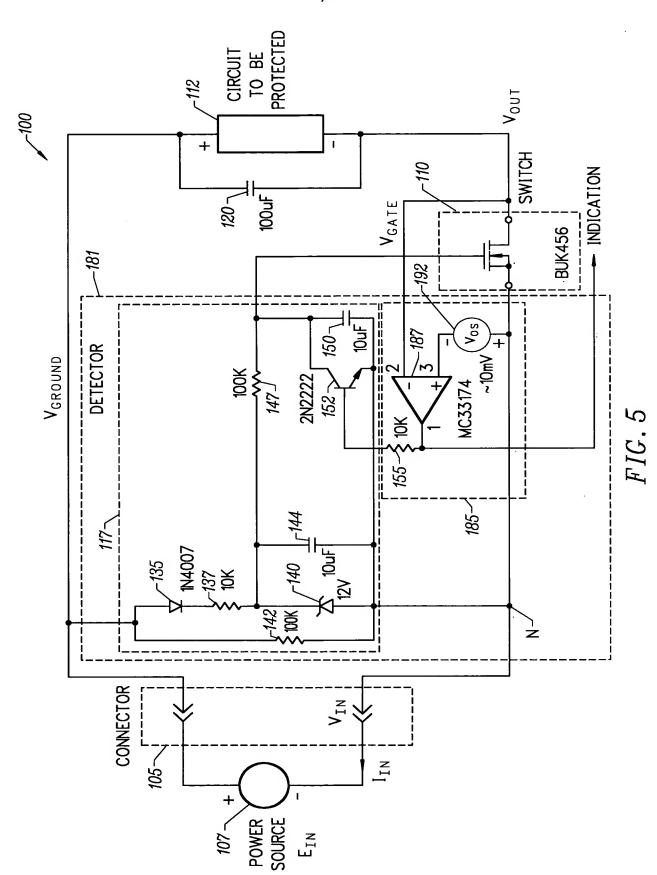
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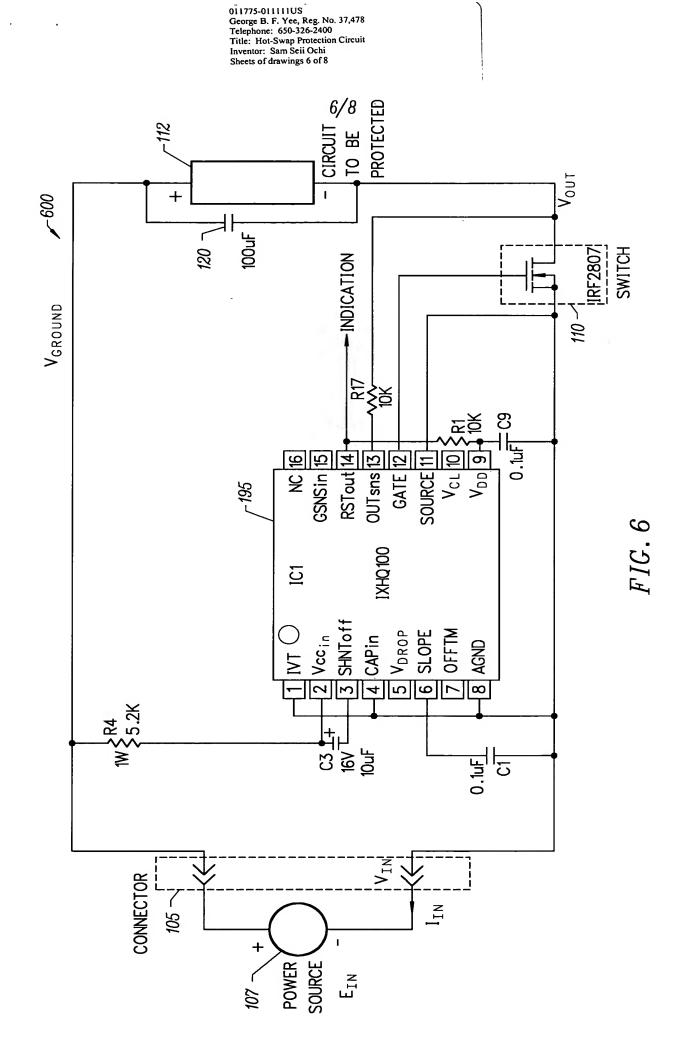


011775-01111US George B. F. Yee, Reg. No. 37,478 Telephone: 650-326-2400 Title: Hot-Swap Protection Circuit Inventor: Sam Seii Ochi Sheets of drawings 3 of 8 CIRCUIT & E PROTECTED -112 V_{0UT} 7207 SWITCH - INDICATION VGATE -165 **BUK456** -162 矣 V_{GROUND} 10uF -180 ≆ 160~ MC33174 10uF -132 150 J 0.01 100K CONTROL CIRCUIT 2N2222 752 N FIG. 3100mV 헞 155-117 130-115 DETECTOR MODULE T_{12V} 10uF 1N4007 Ž CONNECTOR V_{IN} 105~ NI NI POWER SOURCE E_{IN}

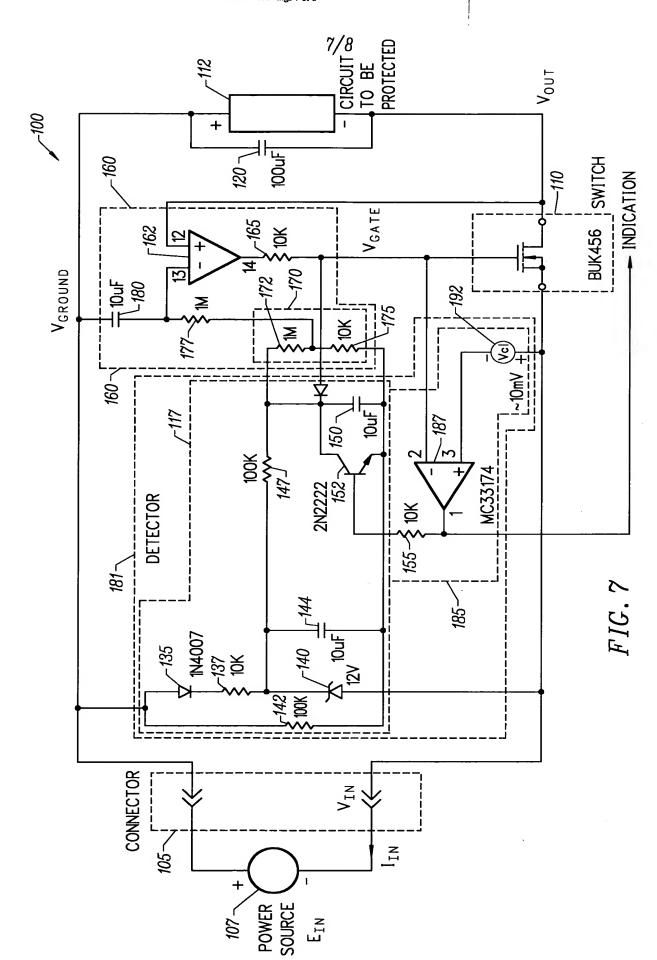


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011775-01111US
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Inventor: Sam Seii Ochi
Sheets of drawings 7 of 8



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011775-011111US George B. F. Yee, Reg. No. 37,478 Telephone: 650-326-2400 Title: Hot-Swap Protection Circuit Inventor: Sam Seii Ochi Sheets of drawings 8 of 8 Circuit بر 8/8 **PROTECTED** Vout R17 900 100uF 120 110 - IRF2807 -INDICATION D5\(\sqrt{BAS16}\)
R3\(\sqrt{XK}\)
+ C4
+ C4
+ 16V | ---VGROUND -C2 3.3nF 0.1uFT C9 √01 -0. V00 00 4. V_{CL} 100 ≤ GSNS in 15 RSTout 14 **GATE** 12-NC 16 0UTsns [13] SOURCE 11 -195 FIG. 8 1XHQ100 $\overline{\Omega}$ SHNToff CAPin S V_{DROP} SLOPE 2 Vcc in 3 SHNTof OFFTM 8 AGND 1W \ R4 5.2K <u>C3</u> 1uF 100V 16 9 NI VI CONNECTOR *105* ∼ NI NI POWER SOURCE E_{IN} 707